



Press release
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Introducing the Icomera A2 Access Point

The World's First Wi-Fi 7 Access Point Purpose-Built for Public Transportation

Icomera, a wholly owned subsidiary of Equans and the world's leading provider of integrated connectivity solutions for public transportation, is launching the A2, the very first rail-grade access point to support Wi-Fi 7, the latest and most advanced generation of wireless technology.

As connectivity to trains continues to increase based on the utilisation of ever better communications networks (cellular, trackside, satellite etc.), technological upgrades to vehicles themselves, and [the implementation of intelligent data traffic management tools](#), high-capacity access points are essential to avoid bottlenecks and allow the full potential of a Passenger Wi-Fi solution to be realised.

Delivering lightning-fast Internet speeds, significantly reduced latency, increased network capacity and enhanced efficiency, Wi-Fi 7 will facilitate faster web browsing, streaming, downloads, and video conferencing for passengers, allowing them to stay connected more effortlessly while they travel.

"With the launch of the A2 access point, we're proud to be unleashing leading-edge Wi-Fi 7 technology within the public transportation market segment, delivering long-term reliability for transport operators", comments Mats Karlsson, Icomera's Chief Technology Officer and Co-founder.

By distributing all available bandwidth to all connected devices on a vehicle, the A2 meets and exceeds the data-heavy requirements of both passengers and rail operators. As well as being compatible with Wi-Fi 6/6E and all other earlier Wi-Fi standards, it can utilise all available spectrum across its four radios (1 x 6GHz, 2 x 5GHz, 1 x 2.4GHz), supporting higher volumes of traffic between the onboard router(s) and passengers as a result.

Featuring secure boot as well as WPA3 encryption, the A2 seamlessly integrates with Icomera's connectivity platform, allowing for remote configuration, software updates and reporting via the [IComera Network Insights and Control \(ICONIC\) suite of cloud-based tools](#).

The Icomera A2 access point will be available in two models at launch: The **A2-i** has 16 **integrated** Wi-Fi antennas and is powered by Power over Ethernet (PoE), while the **A2-e** has 16 **external** antenna connectors and is powered through either PoE or an external DC source.

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About Icomera

Icomera is the world's leading provider of integrated connectivity solutions for trains, trams, buses and coaches, serving millions of passengers and tens of thousands of onboard systems on a daily basis. We deliver the fastest, most reliable and secure Internet connection available to a moving vehicle, supporting a wide range of digital applications which increase passenger satisfaction, enhance operational efficiency, and improve safety and security. Our solutions make transport more attractive for passengers and part of a smarter, safer, greener future for everyone, accelerating the transition towards a carbon-neutral world.

A wholly owned subsidiary of Equans, Icomera is headquartered in Gothenburg, Sweden, with main offices in the United Kingdom, France, Germany, Italy, the United States, and Canada.

Find out more at [icomera.com](https://www.icomera.com)

About Equans and Equans France

Rooted in a history that goes back more than a century, Equans is the new global leader in the energy and services industry. In France, particularly through Ineo, Axima and Bouygues Energies & Services, it has a high territorial density synonymous with proximity. Its 35,000 employees in France support their customers in improving and optimizing their equipment, systems and technical processes so as to meet the challenges of a triple transition, energy, industrial and digital. Equans provides a high level of expertise and technology with the ambition of making a significant contribution to a low carbon and resilient world. Electrical engineering, HVAC, refrigeration, fire safety, Facility Management, IT and telecommunications, digital solutions: Equans' complementary expertise is deployed in France through a unique combination of multi-technical skills for design, construction and installation projects as well as for operation and maintenance services.

Operating in 20 countries, with 90,000 employees working on 5 continents and an annual turnover of more than €17 billion*, the Equans Group connects, powers and protects energy and data to territories, cities, buildings, factories and infrastructures. Following a similar dynamic, its subsidiary Equans France achieved a turnover of over 6* billion euros in 2022 and operates in nearly 30 different countries.

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* Bouygues Energies & Services + Equans combined figure, proforma unaudited 2022 data

** Bouygues Energies & Services + Equans combined figure for France, proforma unaudited 2022 data



Image: The Icomera A2-i ([View Full Resolution](#))



Image: The Icomera A2-e ([View Full Resolution](#))